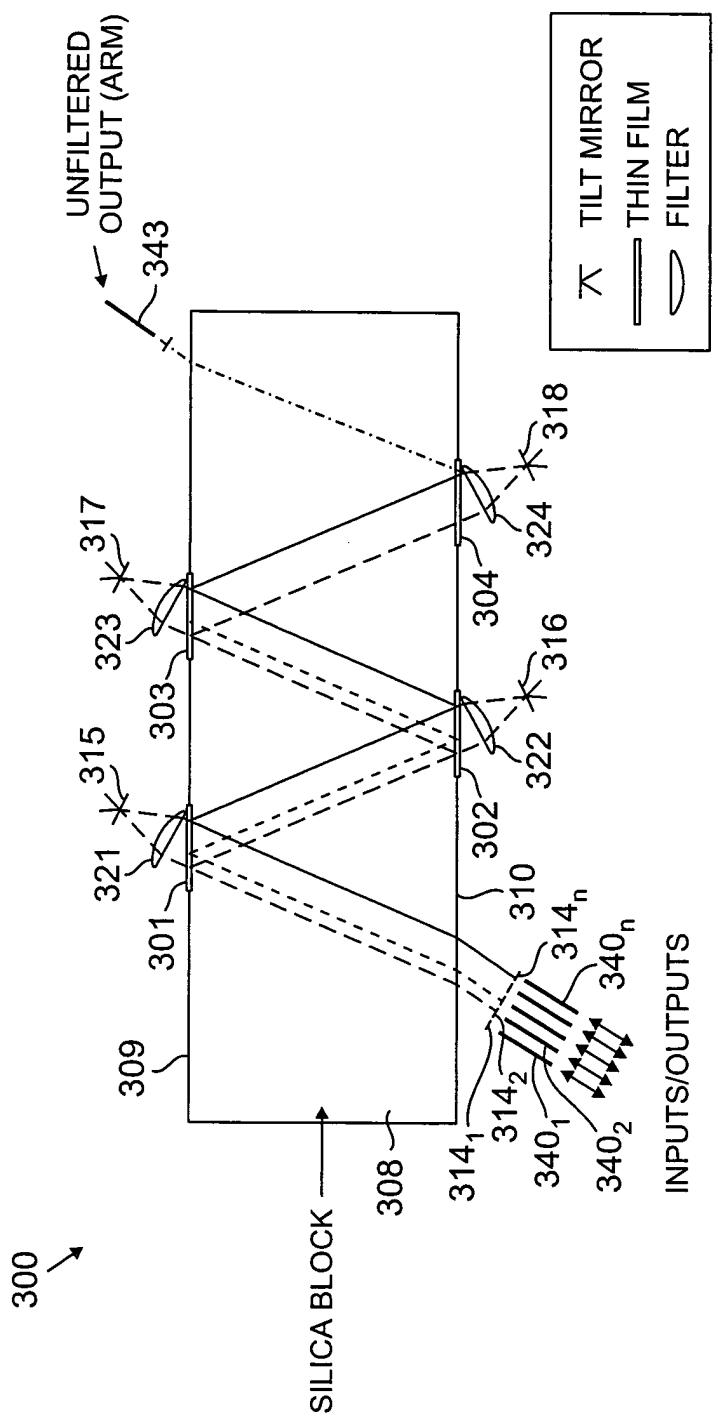


FLEXIBLE OPTICAL CROSS CONNECT (OXC)

**FIG. 1**  
**(PRIOR ART)**



BIDIRECTIONAL INPUTS/OUTPUTS WITH  
INDEPENDENT WAVELENGTH DISTRIBUTION

**FIG. 2**

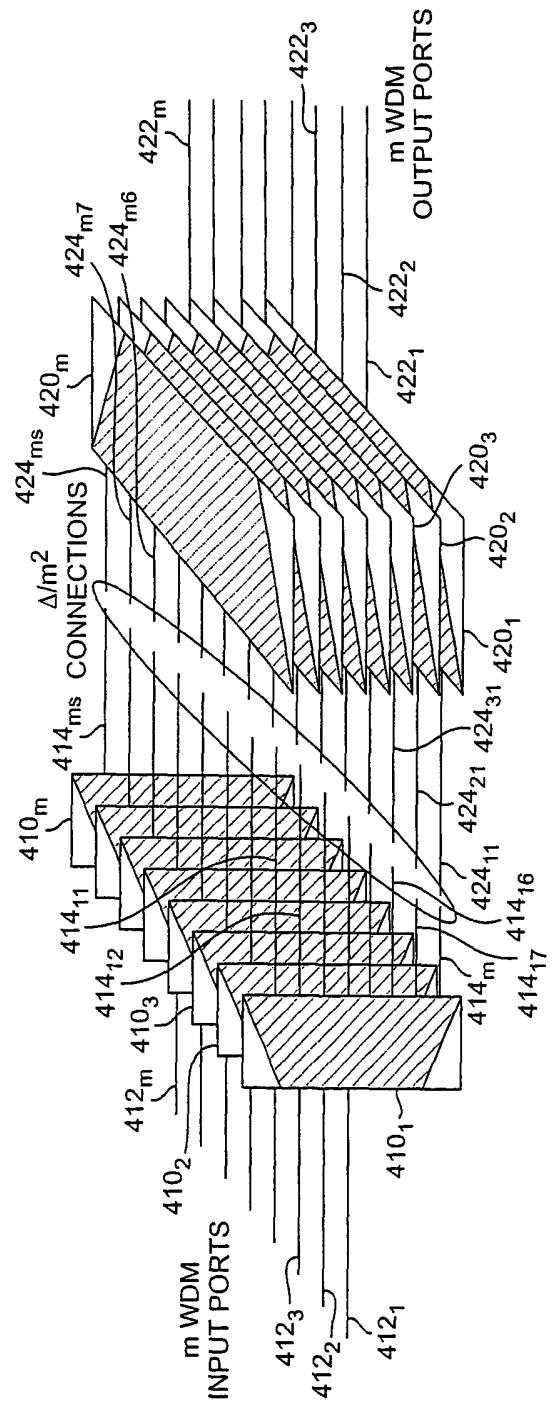
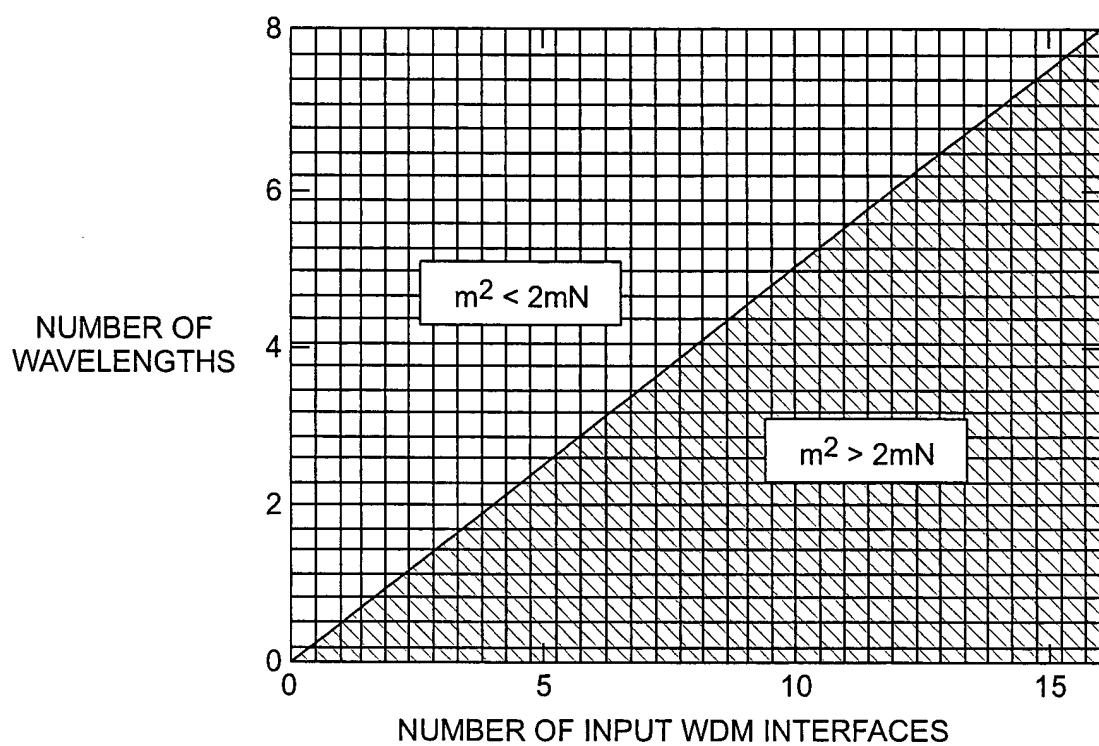
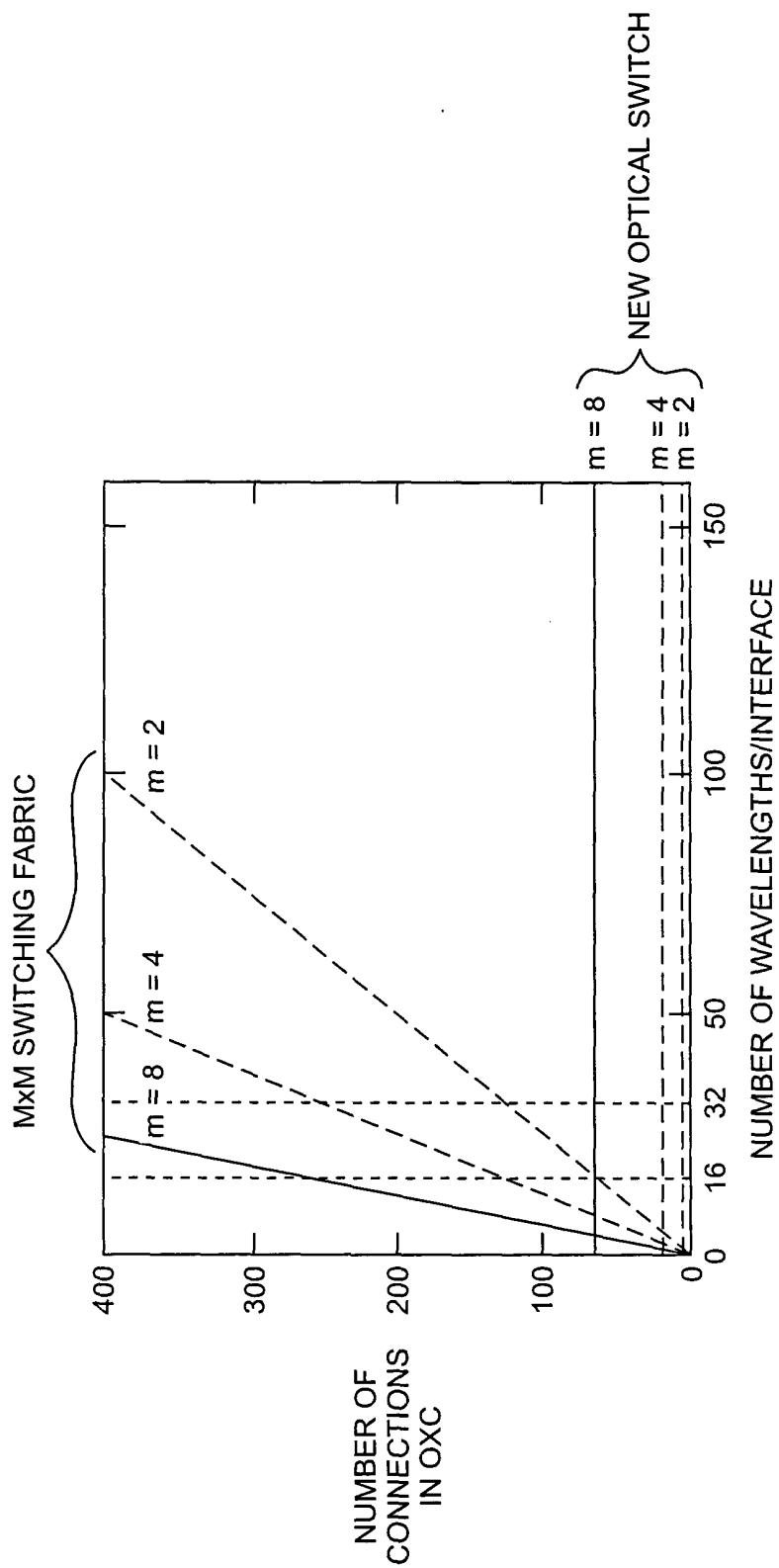


FIG. 3



OPTIMUM OXC TECHNOLOGY FOR DIFFERENT NUMBER  
OF WAVELENGTHS AND INTERFACES AS DEFINED  
BY THE MINIMUM NUMBER OF INTERCONNECTIONS REQUIRED

**FIG. 4**



THE SCALING OF THE NUMBER OF INTERCONNECTIONS REQUIRED TO BUILD AN OXC USING CONVENTION M<sub>m</sub>M SWITCH TECHNOLOGY AND THE NEW OPTICAL SWITCH

**FIG. 5**

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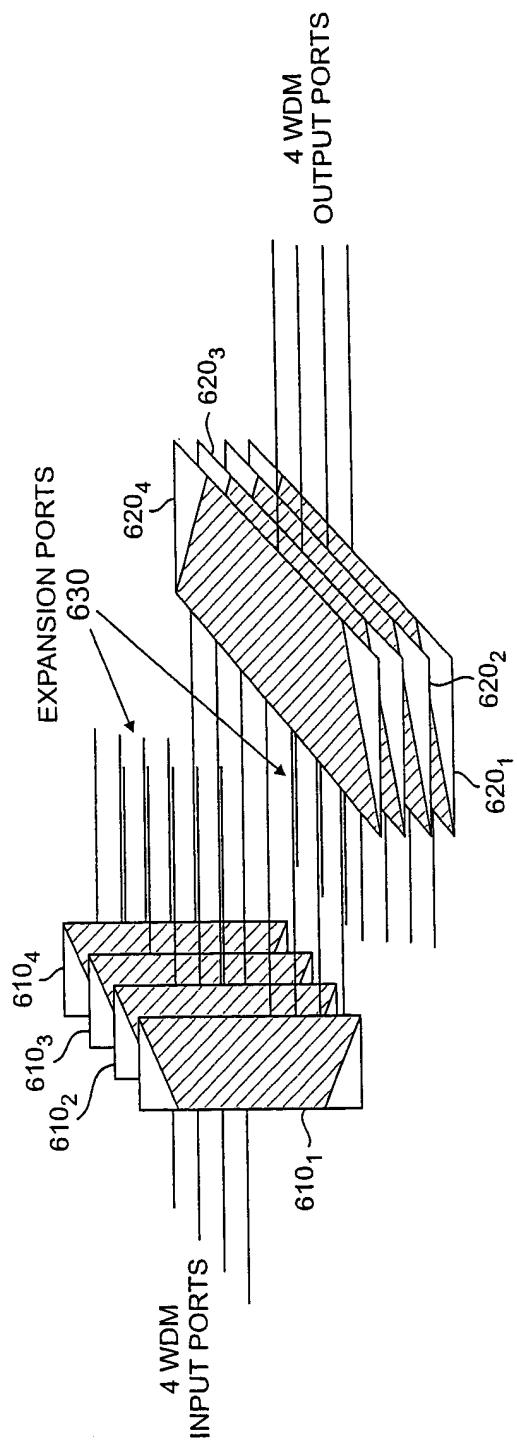


FIG. 6